



Fig. EA 55 i (0ca09-001), i-CON1 C (01C1100A0C) with i-Tool and holder, heating plate (01RHP100A-03), x/y PCB table (01R5500-01).

A clean, quiet solution

The filter unit Ersa Easy Arm Extraction EA 55 i is a compact and powerful system to efficiently clean soldering process air at the workbench. Utilised with either the i-CON1 C or i-CON2 C soldering stations, connected with an interface cable, this filter system opens up a completely new dimension of intelligent solder fume extraction.

The extraction unit can be operated in the continuous mode, or, with an i-CON connected, it is only working whilst the attached soldering station is in operation, stopping as soon as the soldering station goes into standby mode. Filter usage times are increased, energy costs and operational noise level are significantly reduced.

The EA 55 i can be installed variably and easily. A very low operation noise level and its robust metallic case allows running the system in basically all industrial surroundings from testing floor and laboratories to electronic production.

The solder fume filtration occurs in three stages: First a pre-filter captures the large particles. Then the HEPA particle filter removes all the remaining hazardous particles. Finally the activated carbon gas filter adsorbs any harmful gas molecules.

The powerful blower guarantees an adequate airflow throughout the filter life. An optical alarm indicates necessary filter changes.

Technical Highlights:

- Efficient particle- and gas filtration
- Easiest filter exchange via quick release fasteners
- One flexible extraction arm, Ø 50 mm, connectable
- Optic indication of low suction or end of filter lifetime
- Interface to connect i-CON C soldering stations

EA 55 i scope of delivery:
Filter unit, extraction arm (incl. table clamp for arm), nozzle, interface cable and power cord



Solder fumes are known to be a big risk to health



Filtration of particles and gases is a must in soldering



Arm extraction is most efficient and flexible



Very silent operation - for all environments



Long-life and robust metallic systems for industrial use



Remote control generates filter- and energy savings

Technical Data:	
Dimensions (L x W x H):	290 x 270 x 410 mm
Weight:	10 kg
Extraction arm:	Ø 50 mm, length 1 m
Electrical data:	75 W / 100 - 250 V / 50 - 60 Hz
Volume flow (free flowing / with new filter):	110 m³/h / 105 m³/h
Vacuum:	1.400 Pa
Noise level:	56 dB (A)
Particle filter (filter class pre-filter / main filter):	F7 / H13
Filter area:	1,9 m²
Separation degree:	> 99,97 % (HEPA)
Gas filter:	activated carbon



Part Number	Description	Part
Basic Unit:		
0CA09-001	ERSA Easy Arm Extraction EA 55 i, complete with extraction arm, -nozzle and interface cable.	
Soldering Stations:		
0IC1100A0C	electronic temperature controlled soldering station with interface, antistatic, 230/24 V, 80 W	
0IC2000A0C	electronic temperature controlled double iron soldering station with interface, antistatic, 230/24 V, 120 W	
Spare Parts and Accessories:		
3ca09-4005	table clamp for EA 55 i extraction unit	
3CA09-1001	Combined HEPA / gas filter	
3CA09-1002	pre-filter, (5 pcs./pu)	
3CA09-4001	extraction arm, length 1 m, complete	
3CA09-4004	extraction nozzle	
3CA09-3001	interface cable	
3CA08-3005	standby switch	
3CA09-4006	Extraction nozzle "plus", 230 x 100 mm	